

DERWENT-ACC-NO: 1994-111794

DERWENT-WEEK: 199718

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TITLE: Vehicle location system partic. service vehicles at airport - has vehicle mounted unit with interrogator and transceiver, identifying device associated with each region and base station and arranged so that identifying device identifies region of vehicle to interrogator

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PATENT-ASSIGNEE: GEC-MARCONI LTD (MAON)

PRIORITY-DATA: 1992GB-0021440 (October 13, 1992)

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PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/>	<u>GB 2271692 A</u>	April 20, 1994		015	G08G001/127
<input type="checkbox"/>	<u>GB 2271692 B</u>	April 9, 1997		000	G08G001/123

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
GB 2271692A	October 13, 1992	1992GB-0021440	
GB 2271692B	October 13, 1992	1992GB-0021440	

INT-CL (IPC): G01S 13/75; G01S 13/80; G01S 13/91; G01S 17/88; G08G 1/123; G08G 1/127; H04B 1/59; H04B 5/00; H04B 7/00

ABSTRACTED-PUB-NO: GB 2271692A

BASIC-ABSTRACT:


The vehicle location system includes a central base station (5), an interrogator (3) and transceiver (4) on the vehicle (2) and a several of region identifiers (6) arranged in or around the perimeters of the regions (1). The region identifiers identify to the interrogator which region the vehicle is in and the transceiver supplies this identification to the base station.

The regions are identified using pseudo-passive transponders, or leaky feeders, or bar codes placed on the ground, and the "interrogator" correspondingly uses RF transmission/reception, or RF reception, or is an optical (infra red) reader. Bar-codes may be used as the identifying device, where the interrogator is a bar code reader.

ADVANTAGE - Overcomes shadowing problem since does not use active radar. Does not require sophisticated navigation system mounted on each vehicle.

ABSTRACTED-PUB-NO: GB 2271692B

EQUIVALENT-ABSTRACTS:



A vehicle location system, comprising a plurality of regions each bounded by a notional perimeter, at least one pair of adjacent regions each including an identifying means, selected from the group comprising leaky feeders and bar codes, arranged about it's perimeter whereby the boundary between the adjacent pair of regions is defined by adjacent portions of their respective identifying means which are separated by a narrow area, and a detector which is to be carried by the vehicle and is arranged to monitor encounters with each identifying means to determine in which region the vehicle is currently located.

CHOSEN-DRAWING: Dwg.2/3 Dwg.1

DERWENT-CLASS: T04 T07 W02 W06

EPI-CODES: T04-A03B1; T04-C02; T07-A05; W02-G05B; W06-A04B1; W06-B02D; W06-B02E; W06-B02X;